



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Gamma USA, Inc.  
5600 N. W. 37<sup>th</sup> Avenue  
Miami, FL 33142

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "90" Single Outswing w/ Transom-S. M. Impact**

**APPROVAL DOCUMENT:** Drawing No. T-90, titled "Test #90 Balcony Door", sheets 1 through 7 of 7, dated 04/09/2008 and last revised on 06/10/14, prepared by Structural Design Inc. , signed and sealed by Farrokh Rasekhi, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Small Missile Impact Resistant**

**Limitations:**

1. The door installation is into concrete using 5/16" Tapcon (trim fit) with embedment, OC and edge distance specified in this approval drawing set.
2. Glazing gasket item #5 of Bill of Material, sheet 7, is TREMCO EPDM part #TR-13701E.
3. Max transom not to exceed 12-3/16" H x 42"W.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, L'ange Gardien (Quebec), Canada and series and following statement: "Miami-Dade County Product Control Approved".

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 08-0513.11 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 13-0724.08  
Expiration Date: October 02, 2018  
Approval Date: July 03, 2014  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under file #08-0513.11)
2. Drawing No. **T-90**, titled "Test #90 Balcony Door", sheets 1 through 7 of 7, dated 04/09/2008 and last revised on 06/10/14, prepared by Structural Design Inc., signed & sealed by Farrokh Rasekhi, P.E.

**B. TESTS (submitted under file #08-0513.11)**

1. Test reports on
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
  - 5) Small Missile impact Test per FBC, TAS 201-94
  - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of single outswing alum door w/ transom, prepared by Fenestration Testing Laboratory Inc., Test Report No. **FTL-5247(FTL-07059)**, dated 06/27/07, signed & sealed by Carlos S. Roinda, P. E.

**C. CALCULATIONS (submitted under file #08-0513.11)**

1. Anchor verification calculations, prepared by Structural design Inc., dated 03/16/08 and revised on 08/15/2008, signed and sealed by Farrokh Rasekhi, P.E.
2. Glazing complies with ASTM E-1300-02 &-04.

**D. QUALITY ASSURANCE BY:**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **12-1231.09**, issued to Eastman Chemical Company (MA) former Solutia, Inc., for their "Saflex clear & color glass interlayer", expiring on 05/21/16.
2. EPDM technical data of TREMCO (part #TR-1370E) physical properties per ASTM C-864, supplied by Gamma, USA.

**F. STATEMENTS**

1. Statement letters of conformance to FBC 2010 and "No financial interest", dated June 02, 2014 and June 04, 2014 respectively, both signed and sealed by Farrokh Rasekhi, P.E.
2. Statement letters of conformance and "No financial interest", both dated March 07, 2008, signed and sealed by Farrokh Rasekhi, P.E. (submitted under file #08-0513.11).
3. Statement letter dated June 13, 2014, issued by Gamma, USA requesting for renewal with "no change", signed by Robert Lardizabal, P.E.
4. Statement of compliance, issued as part of the above referenced test report by Fenestration Testing Laboratory Inc.
5. Distribution agreement dated 06/25/14 between Gamma USA, Inc. and Gamma, Canada, signed by Jidong Qin, Vice Chairman, Gamma, USA and Hai Wang, Chairman Gamma, Canada, respectively.

**G. OTHER**

1. This NOA revises & renews NOA # 08-0513.11, expired on OCT 02, 2013.



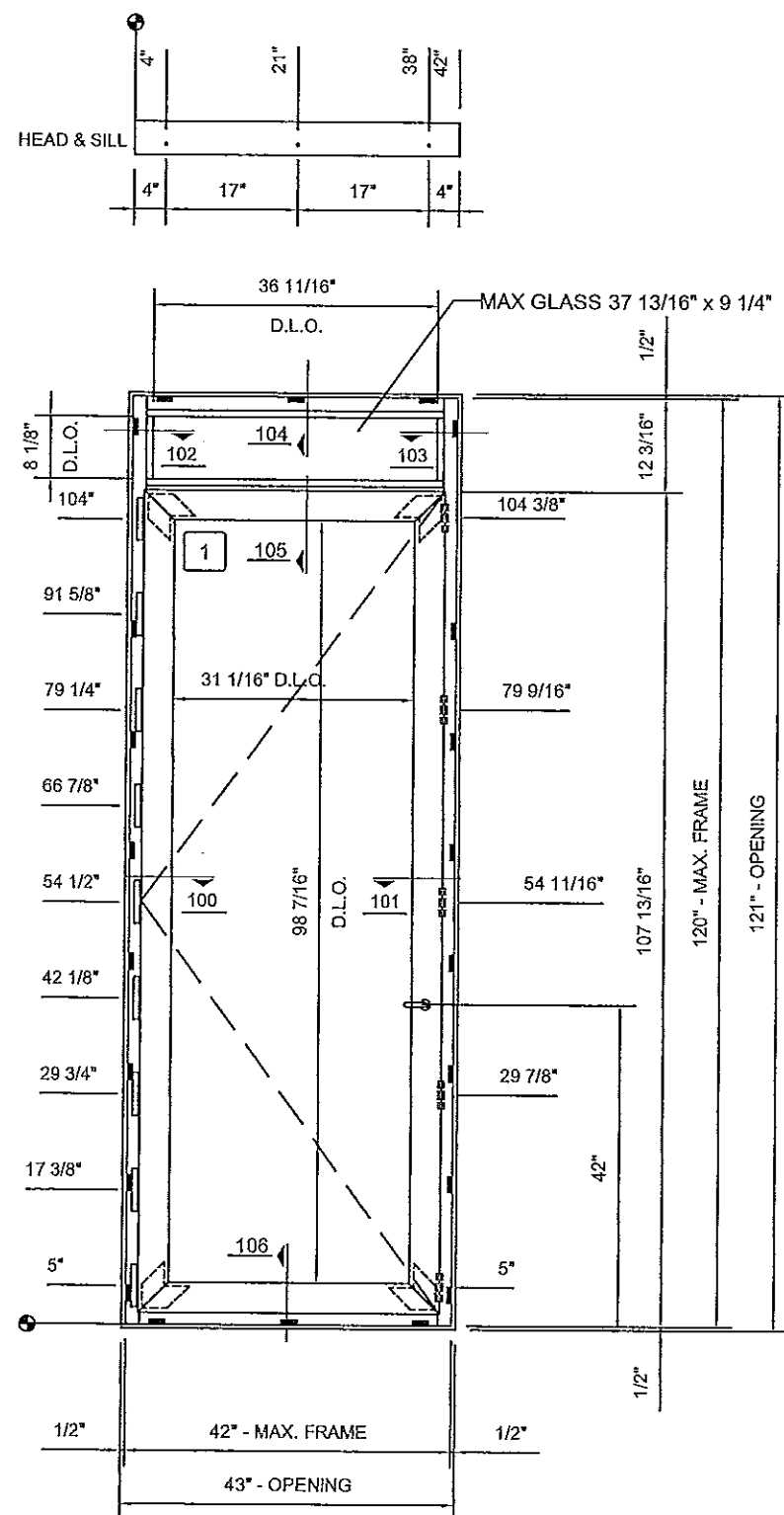
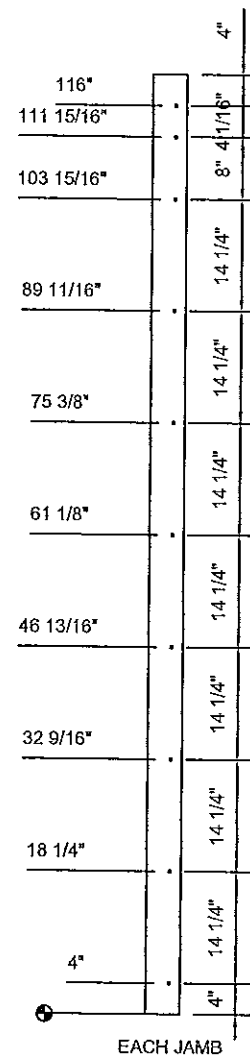
Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 13-0724.08

Expiration Date: October 02, 2018

Approval Date: July 03, 2014



# GENERAL NOTES

- 1 -GLASS TYPE: 9/16" LAMINATED GLASS  
1/4" CLEAR TEMPERED GLASS  
0.060" SAFLEX/KEEPSAFE PVB (SOLUTIA)  
1/4" CLEAR TEMPERED GLASS, LAMINATED BY VITRERIE APRIL

- MAXIMUM GLASS DIMENSION 32 9/16" X 99 15/16"
- ALL ALUMINUM IS 6063 T6
- GLAZING PENETRATION: 3/4" FOR DOOR  
9/16" FOR TRANSOM

- 1/2" MAX. LOAD BEARING SHIM
- CONCRETE APPLICATION 3000 PSI
- FRAME CORNERS SEAMS SEALED WITH CLEAR SEALANT
- REFER TO BILL OF MATERIEL  
FOR COMPLETE DESCRIPTION

- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL  
SCREWS, THAT COME INTO CONTACT WITH OTHER  
DISSIMILAR MATERIALS SHALL MEET THE  
REQUIREMENTS OF 2010 FBC CODE SECTIONS  
2003.8.4 AND 2326.

## SHUTTER REQUIREMENTS:

- 1- INSTALLATION OF THIS UNIT ABOVE 30 FT  
ABOVE GRADE WILL NOT REQUIRE SHUTTERS
- 2- MIAMI DADE COUNTY APPROVED SHUTTERS  
WILL BE REQUIRED FOR INSTALLATION  
OF THIS UNIT BELOW 30 FT ABOVE THE GRADE

## SEALANT :

- G.E. - SILPRUF SCS 2000
- TREMCO - SPECTREM 2

DESIGN PRESSURE RATING

+110 PSF, -130 PSF

- ALUMINIUM SNAP ON ANCHOR CLIP #4460, 2" LONG AT EACH SCREW

- Ø5/16" FH TAPCON SCREW (TRIMFIT)

- KEEPERS SAVIO #1246.835

- ⌋ HANDLE

- ⌋ ALUMINIUM HING

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0724-08  
Expiration Date OCTOBER 2018  
By: [Signature]  
Miami Dade Product Control

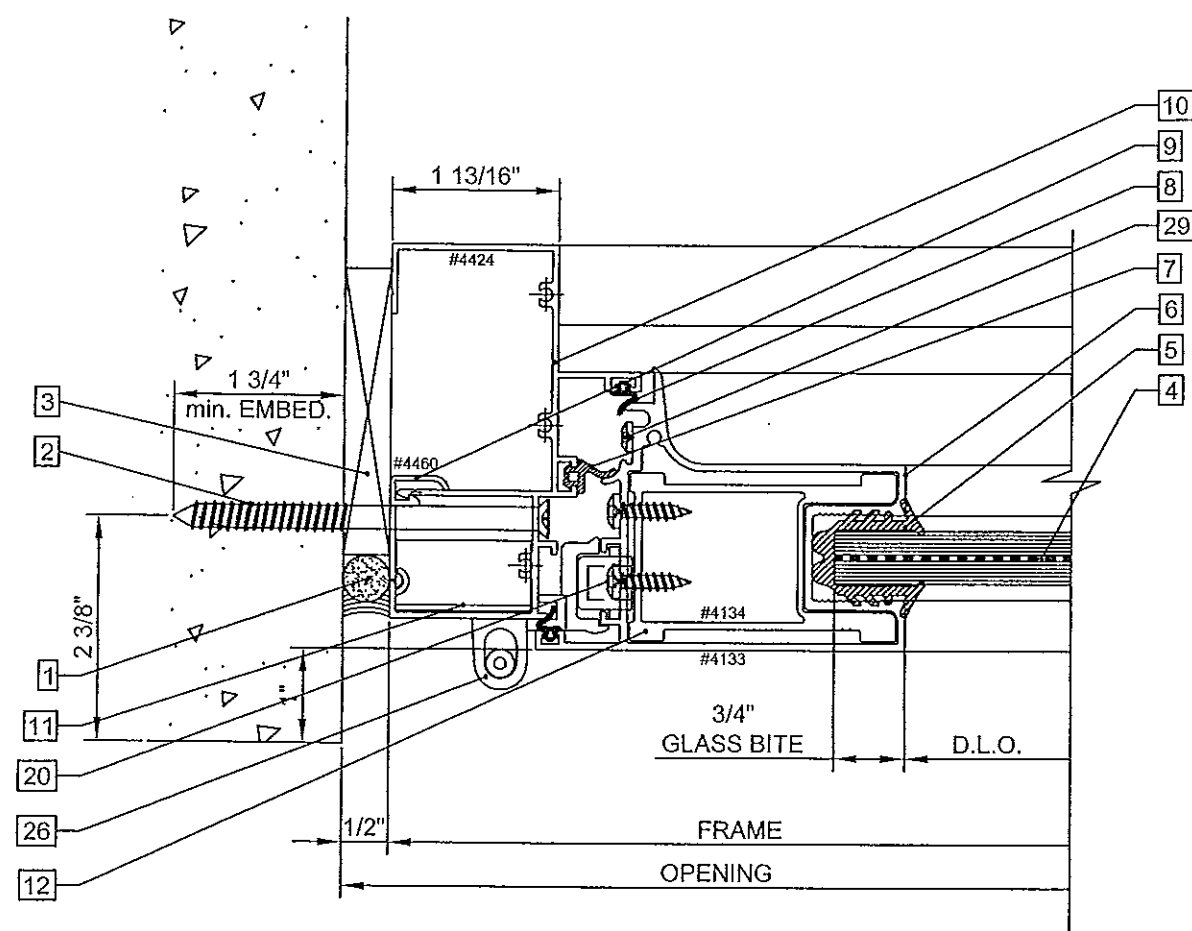
REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A..

STRUCTURAL DESIGN INC.  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE # 8893  
[Signature]  
6/10/14  
TEL: (305) 235-4320  
FARROKH RASEKHI, P.E.  
FL. REG. #36001

MANUFACTURER:  
**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0  
Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gamma-industries.ca  
E-mail: info@gamma-online.com

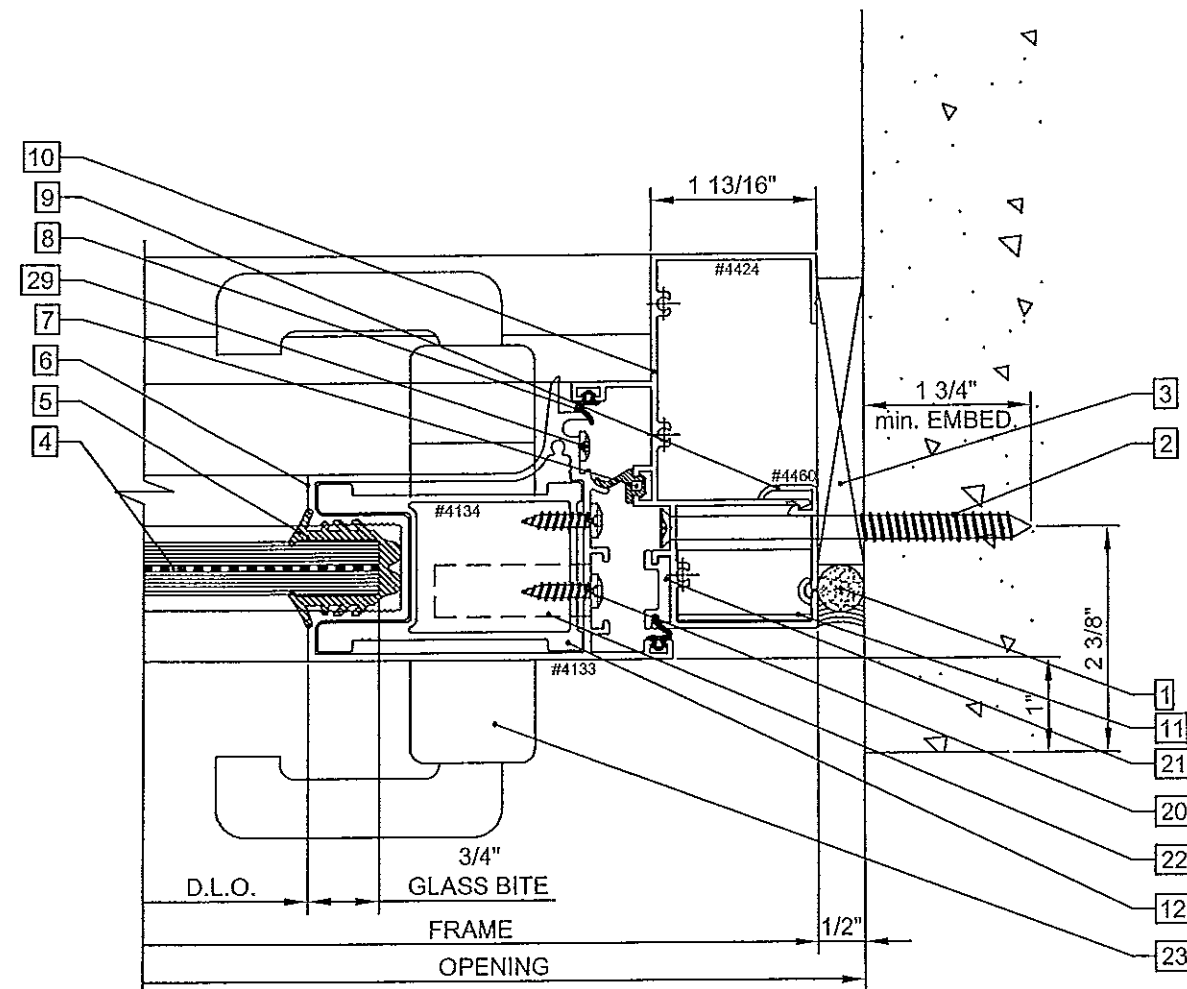
TITLE:  
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
ELEVATION

SCALE: N.T.S.	DRAWN BY: D. LABBÉ
DATE: 04/19/2006	DRAWING NO. T-90
	SHEET NO. 1 of 7



OUTSIDE

detail 100



OUTSIDE

detail 101

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0724-08  
Expiration Date 10/02/18  
By: *Ismael L. Chant*  
Miami Dade Product Control

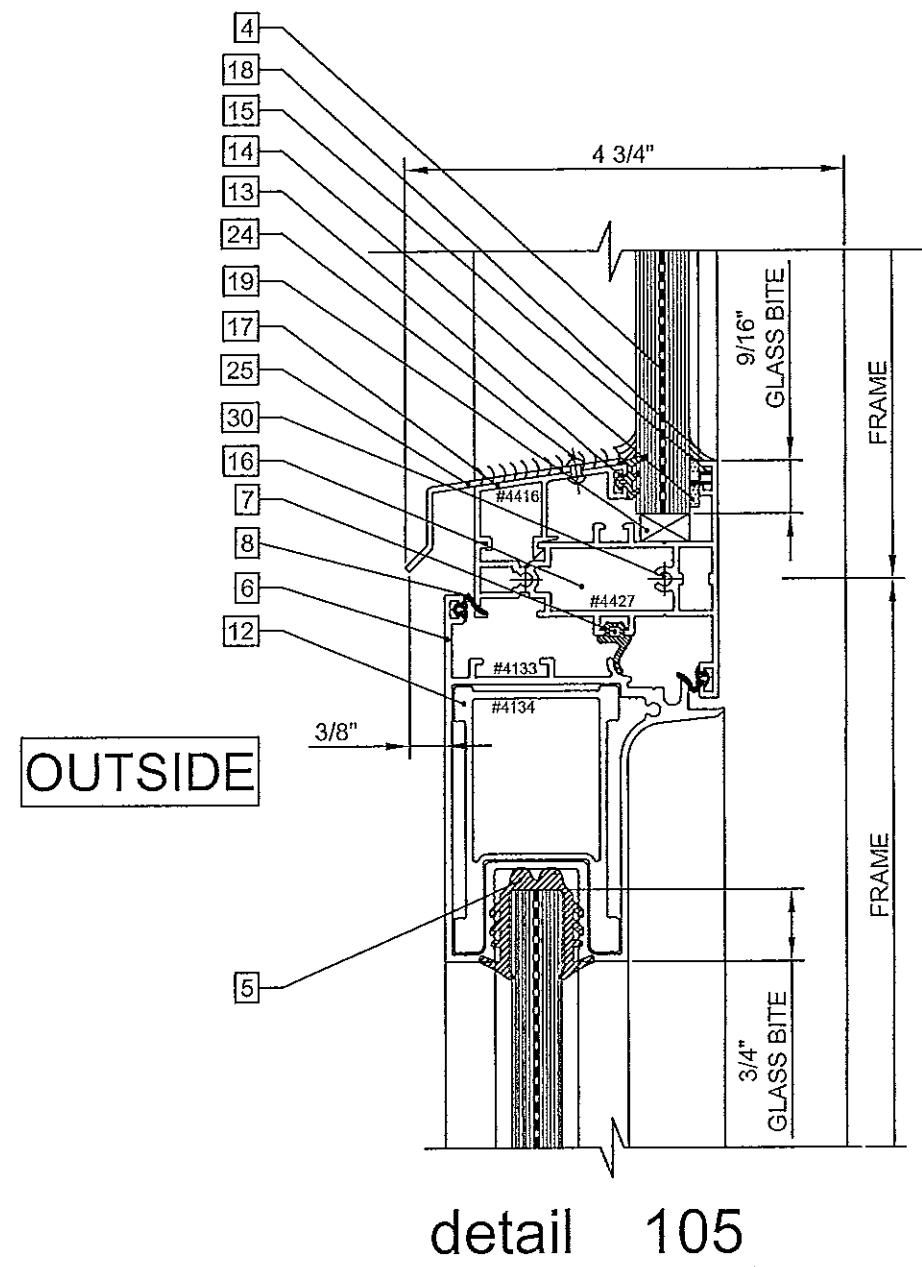
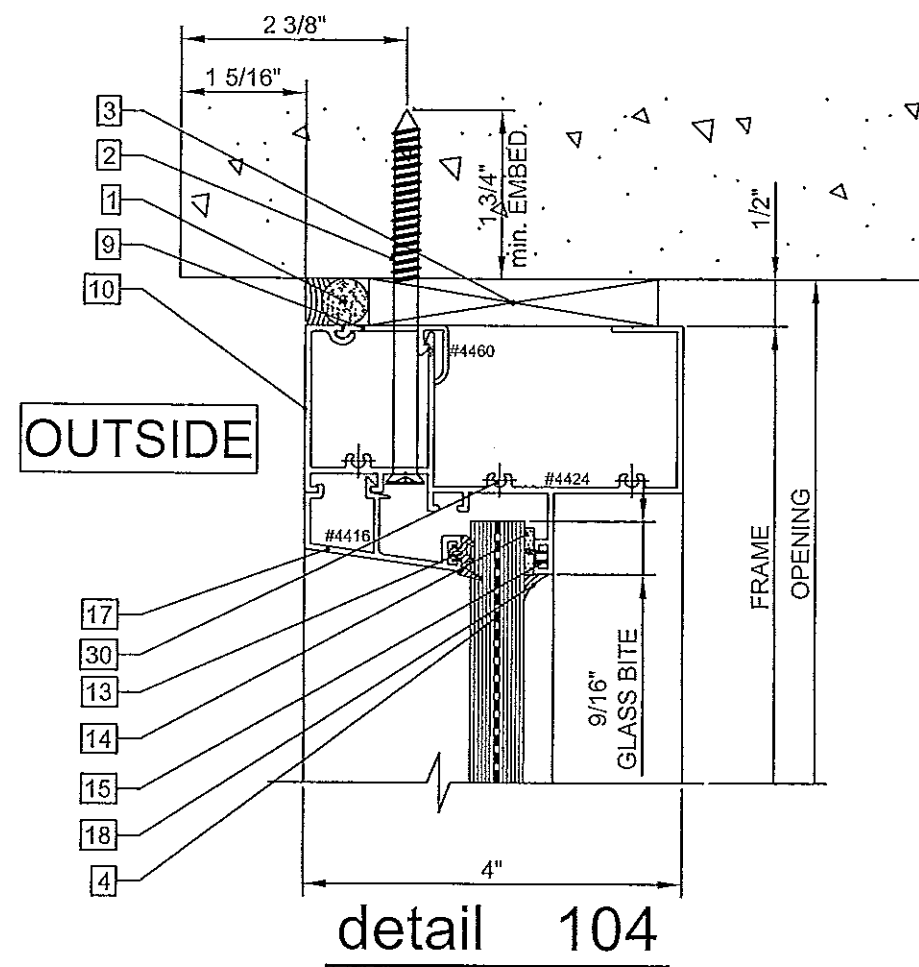
REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A..

STRUCTURAL DESIGN INC.  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE #: 8803  
*Farrokh Rasekhi*  
6/10/14  
TEL: (305) 235-4300 FARROKH RASEKHI, P.E.  
FL. REG. #38001

MANUFACTURER:  
**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0  
Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

TITLE:  
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
DETAILS 100 & 101

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ
DATE: 04/19/2006	DRAWING NO. T-90
	SHEET NO. 2 OF 7



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0724-08  
Expiration Date 10/02/18  
By Gregory L. Lamm  
Miami Dade Product Control

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A..

STRUCTURAL DESIGN INC.  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE # 8903  
*Farrokh Rasekhi*  
6/10/14  
TEL: (305) 235-4300 FARROKH RASEKHI, P.E.  
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MANUFACTURER:  
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6130, BOUL. STE-ANNE  
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G0A 2K0  
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Web site: [www.gammaindustries.ca](http://www.gammaindustries.ca)  
E-mail: [info@gamma-online.com](mailto:info@gamma-online.com)

TITLE:  
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
DETAILS 104 & 105

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ
DATE: 04/19/2006	DRAWING NO. T-90
	SHEET NO. 4 OF 7

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0724-08  
Expiration Date 10/02/18  
By [Signature]  
Miami Dade Product Control

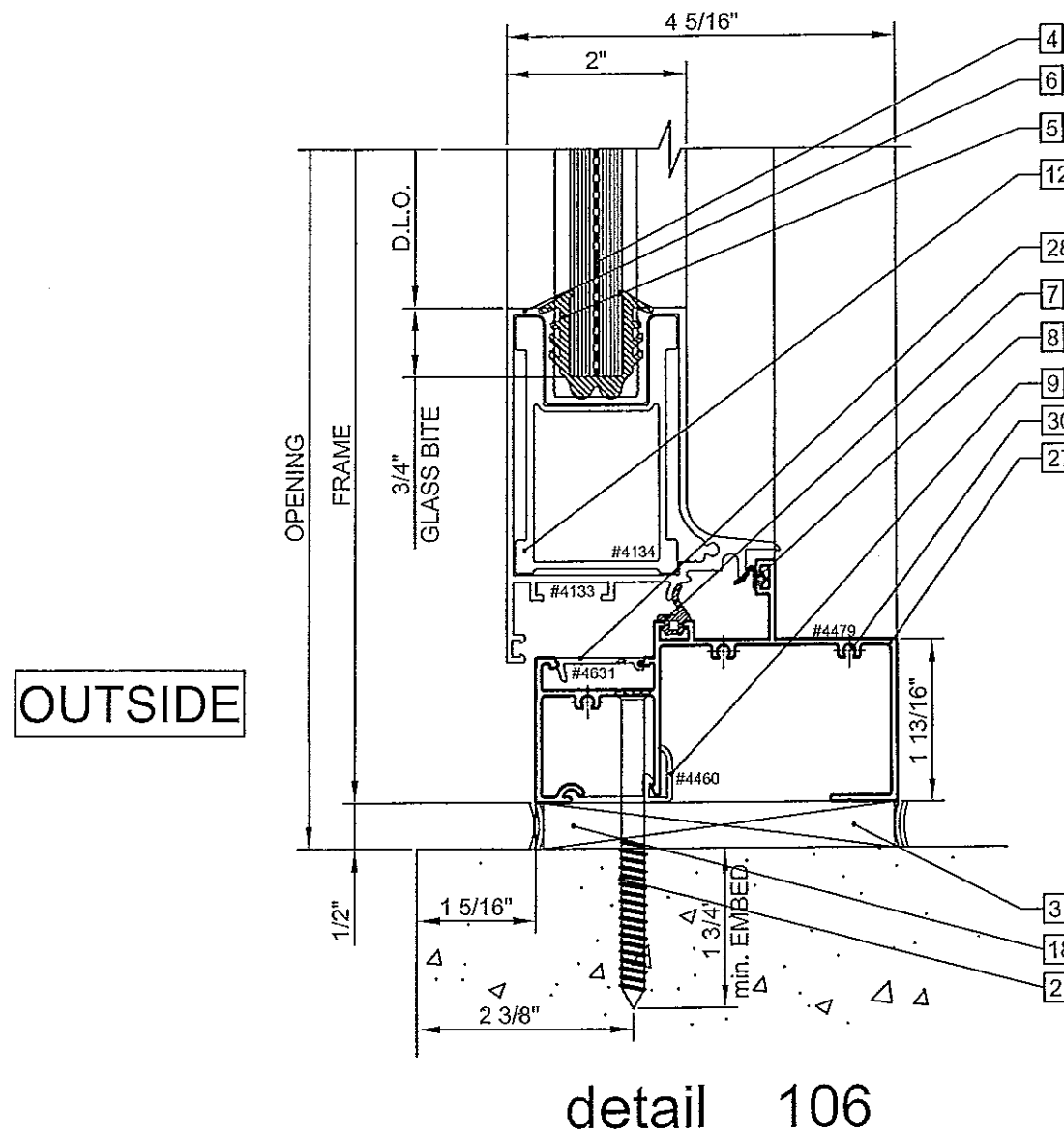
REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A..

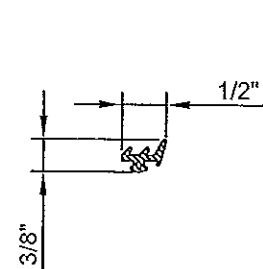
STRUCTURAL DESIGN INC.  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE #: 8823  
[Signature]  
6/10/14  
TEL: (305) 235-4300 FARROKH RASEKHI, P.E.  
FL REG. #38001

MANUFACTURER:  
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L'ANGE GARDIEN (QUÉBEC)  
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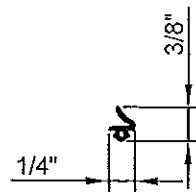
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TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
DETAIL 106

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 5 OF 7

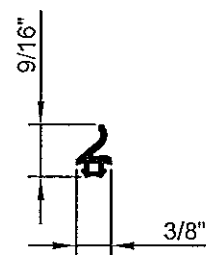




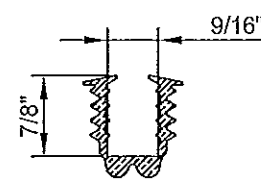
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EDPM GASKET



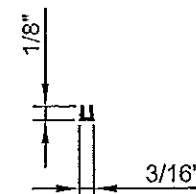
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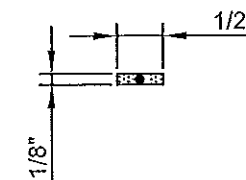
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SANTOPRENE GASKET



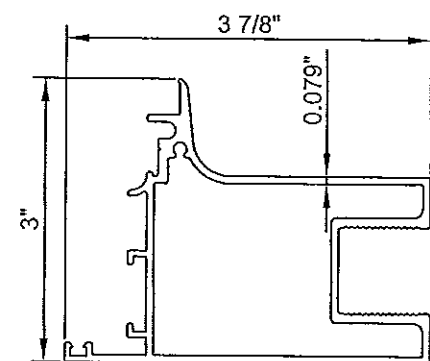
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PVG GLAZING GASKET



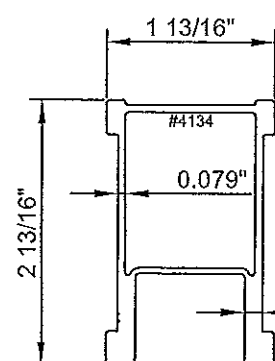
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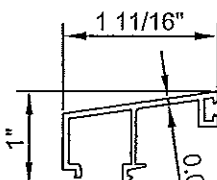
POLYSHIM 1/8"



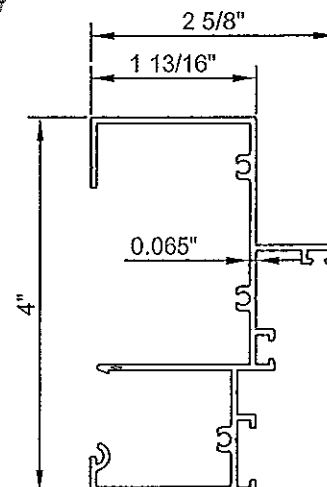
#4133 ALUMINUM FRAME  
BALCONY DOORS



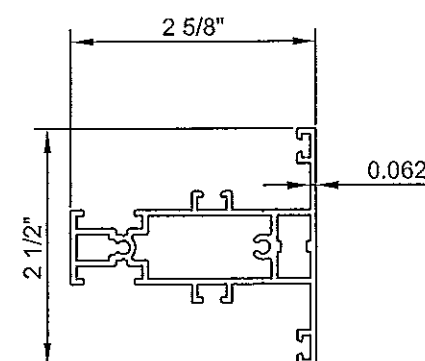
#4134 ALUMINUM  
CORNER ASSEMBLY



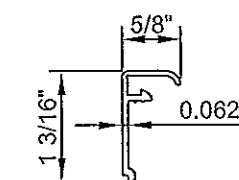
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SNAP-ON CAP



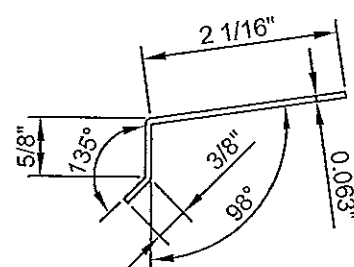
#4424 ALUMINUM  
DOORS FRAME



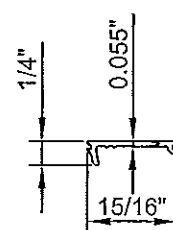
#4427 ALUMINUM  
HORIZONTAL MULLION



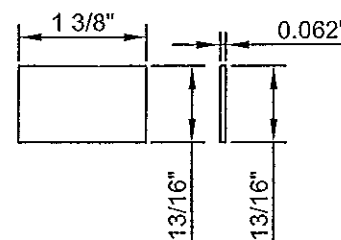
#4460 ALUMINUM  
SCREWING CAP  
2" LONG AT EACH SCREW



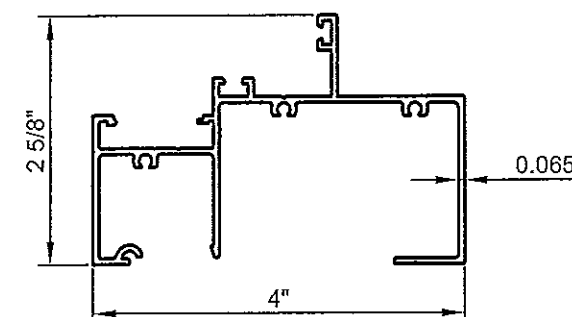
ALUMINUM FLASHING 1/16"



#4631 ALUMINUM  
SNAP-ON CAP



ALUMINUM PLATE 1/16"



#4479 ALUMINUM FRAME  
SILL FOR BALCONY DOOR

FOR MORE SPECIFIC  
DIMENSIONS PLEASE  
REFER TO THE  
SPECIFICATION SHEET  
FOR EACH EXTRUSIONS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0724-08  
Expiration Date 12/02/18  
By: [Signature]  
Miami Data Product Control

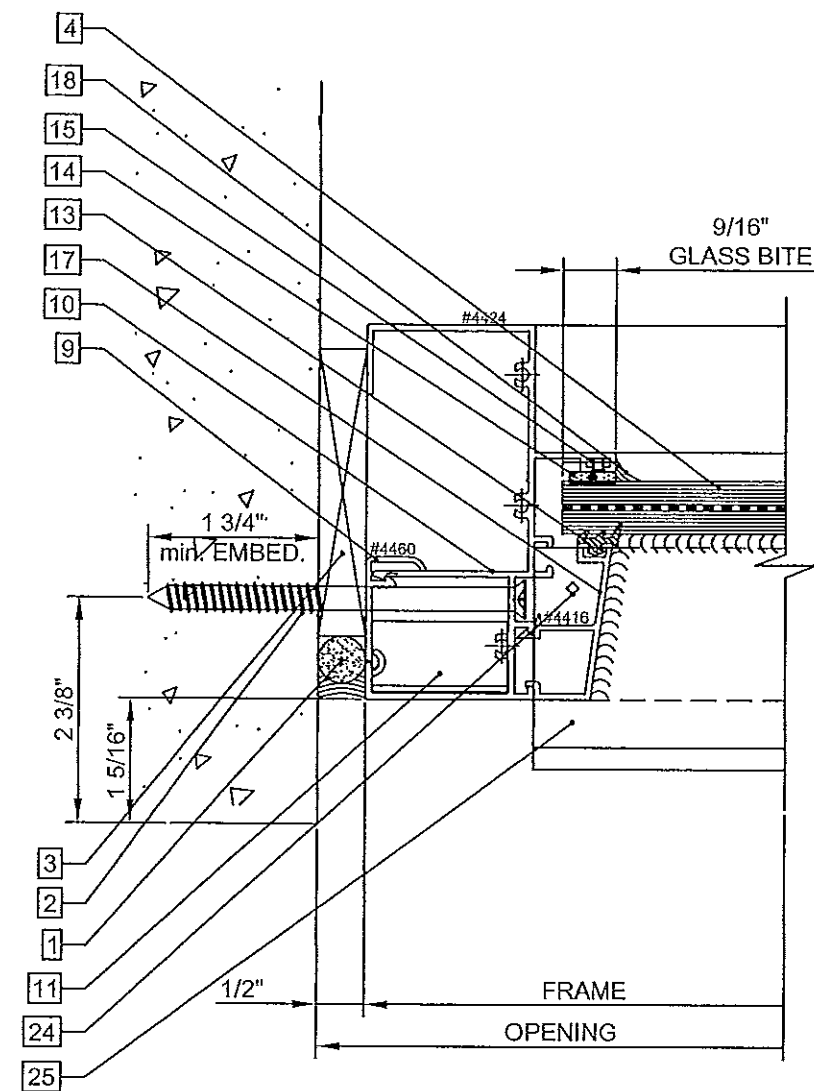
REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A.

STRUCTURAL DESIGN INC.  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE #: 8803  
[Signature]  
6/10/14  
TEL: (305) 235-4300 FARROKH RASEKHI, P.E.  
FL. REG. #36001

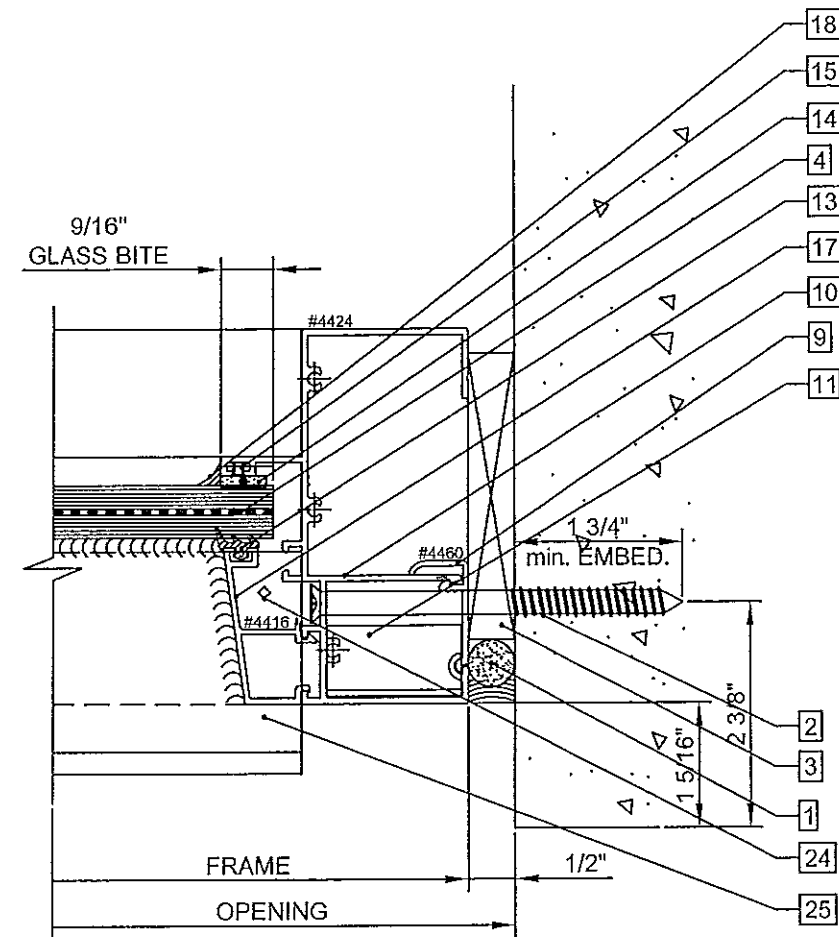
MANUFACTURER:  
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6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0  
Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

TITLE:  
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
GAMMA'S EXTRUSIONS

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ
DATE: 04/19/2006	DRAWING NO. T-90
	SHEET NO. 6 OF 7



**OUTSIDE**  
detail 102



**OUTSIDE**  
detail 103

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A..

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE #: 6803

*Farrokh Rasekhi*  
6/10/14

TEL: (305) 235-4300 FARROKH RASEKHI, P.E.  
FL. REG. #38001

MANUFACTURER:

**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0

Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

TITLE:

TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
DETAILS 102 & 103

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ
DATE: 04/19/2006	DRAWING NO. T-90
	SHEET NO. 3 OF 7



ITEM	PART #	DESCRIPTION
1	-	BAKER ROD & SEALANT SPECTREM 2 OR SILPRUF SCS 2000
2	-	Ø $\frac{5}{16}$ " TAPCON (TRIMFIT) SCREW FH - 1 $\frac{3}{4}$ " MIN. EMBEDMENT
3	-	LOAD BEARING SHIM
4	-	$\frac{9}{16}$ " LAMINATED GLASS
		$\frac{1}{4}$ " CLEAR TEMPERED GLASS
		-0.060" SAFLEX / KEEPSAFE PVB (SOLUTIA)
		$\frac{1}{4}$ " CLEAR TEMPERED GLASS
5	#3066	GLAZING GASKET
6	#4133	ALUMINUM DOOR - SASH FRAME
7	#3047	SANTOPRENE GASKET
8	#3056	EPDM GASKET
9	#4460	ALUMINUM SNAP-ON CAP
10	#4424	ALUMINUM DOOR FRAME
11	-	ALUMINUM PLATE 1 3/8" x 13/16" x 1/16" THICK ATTACHED TO FRAME WITH #8 FH SS SCREW 1" LONG
12	#4134	ALUMINUM CORNER ASSEMBLY
13	#3008	EDPM GASKET
14	-	POLYSHIM $\frac{1}{8}$ "
15	#3077	PVC INSERT
16	#4427	ALUMINUM HORIZONTAL MULLION
17	#4416	ALUMINUM SNAP-ON CAP
18	-	SEALANT SPECTREM 2 OR SILPRUF SCS 2000
19	-	NEOPRENE SITTING BLOCK $\frac{1}{4}$ " x $\frac{1}{2}$ " x 3" (AT L/4)
20	-	#10 RH SS SCREW x $\frac{3}{4}$ " LONG
21	-	KEEPERS SAVIO #1246.835
22	-	EIGHT POINT MECHANISM FERCO G-21064-40-P-8 LOCKING SYSTEM WITH DEAD BOLT
23	-	HANDLE FERCO M-050920 & MIDDLE KEEPER FERCO #6-26037-24-R-3
24	-	POP RIVET - 1/8" DIAMETER
25	-	ALUMINUM FLASHING $\frac{1}{16}$ "
26	-	3 PIECE BOLT ALUMINUM HINGE SAVIO #1122.1 SEALED WITH FOAM TAPE
27	#4479	ALUMINUM FRAME - SILL FOR BALCONY DOOR
28	#4631	ALUMINUM SNAP-ON CAP
29	-	#8 RH SS SCREW x 1" LONG
30	-	#8 RH SS SCREW x 1 1/2" LONG

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0724-08  
Expiration Date 10/02/18  
By 16/02/18  
Miami Dade Product Control

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.
R4 05/21/2014	M.A.

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
13014 S.W. 120 STREET  
MIAMI, FLORIDA 33186  
CERTIFICATE #: 8203  
6/10/14  
TEL: (305) 235-4300 FARROKH RASEKHI, P.E.  
FL. REG. #389001

MANUFACTURER:  
**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0  
Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

TITLE:  
**TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
BILL OF MATERIAL**

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 7 OF 7